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MPS JDAM Mission Planning

Major Shawn Fleming
Det, 2 USAF Weapons School



Overview

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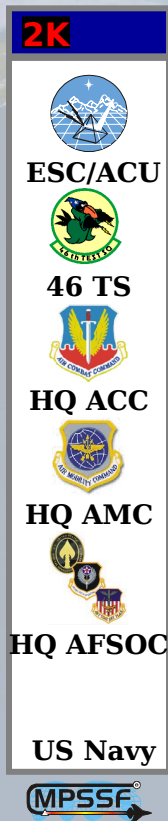


- Why MPS?
- What is JDAM?
- Demonstrate JDAM Mission Planning

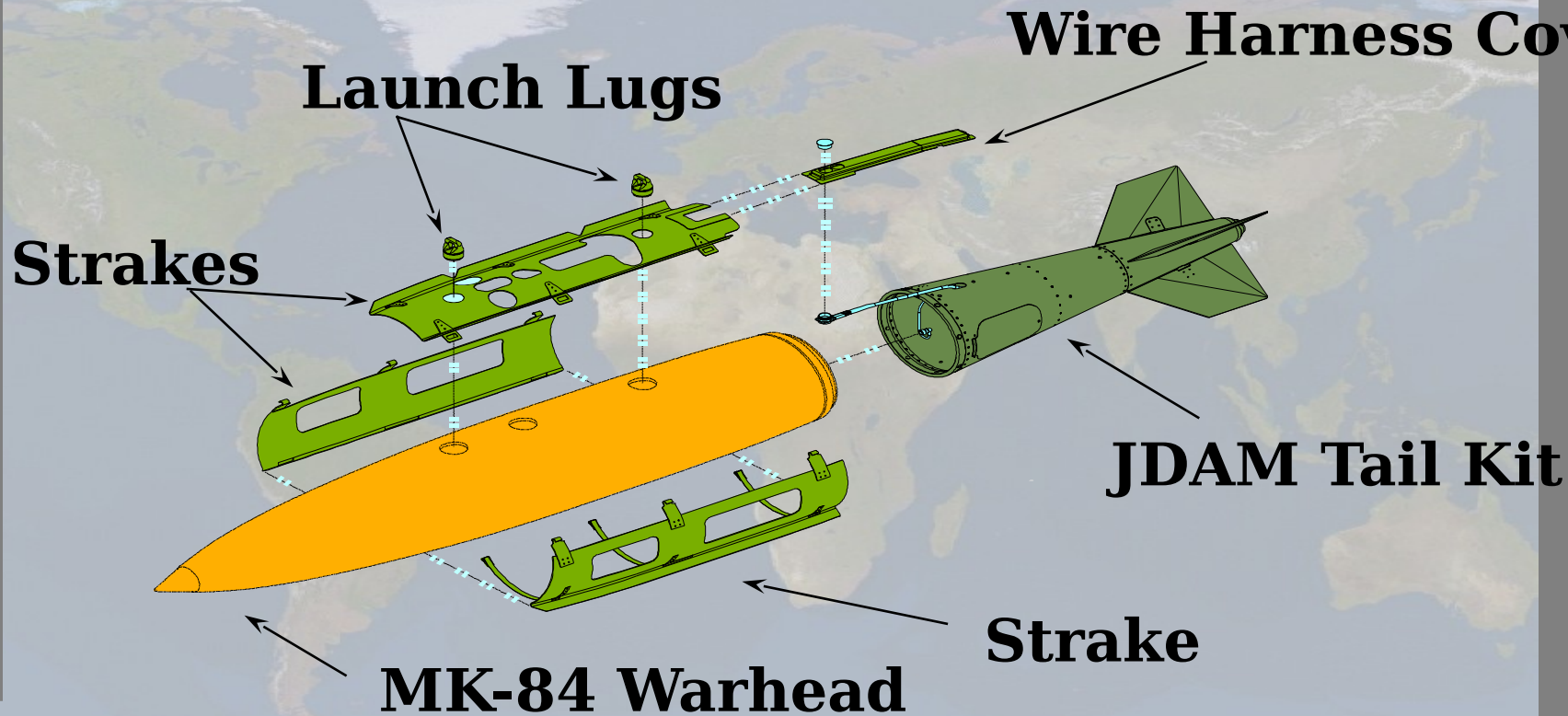


Why MPS?

- One Word: MIL STD 1760 Weapons
 - 4 Words: JDAM, WCMD, JSOW, JASSM
- Weekly Crypto keys required
- Nuclear Training
- MPS is not what it used to be!
- JDAM A/W/E interface is the same



JDAM



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JDAM Carriage

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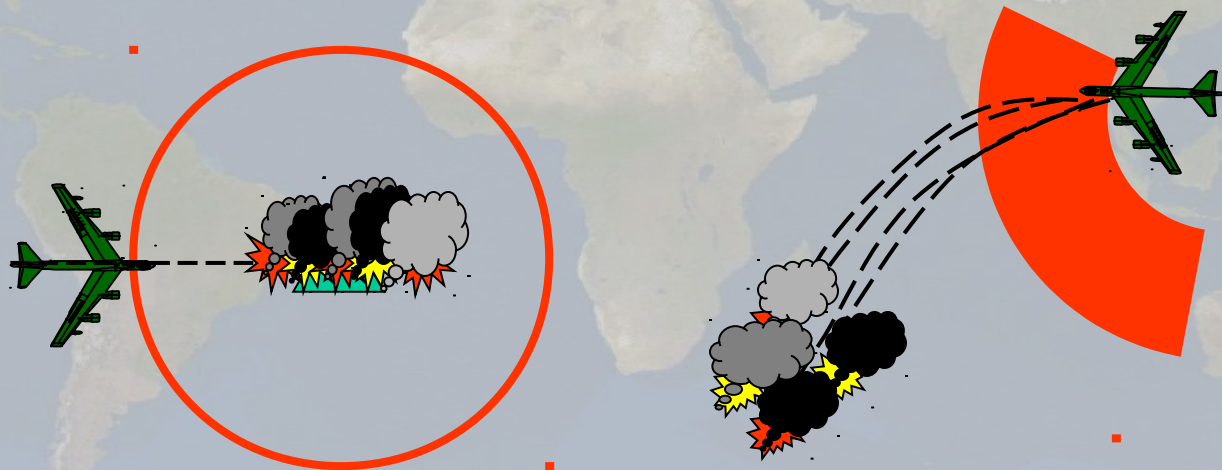
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JDAM Planning

- Fundamentally Different
 - Locus vs Launch Acceptability Region



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JDAM Planning

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- Weaponneering Solution must be known:
- Input parameters
 - Desired Pd
 - Number of Weapons
 - Impact Angle
 - Impact Azimuth
 - Impact Velocity
 - Fuze Settings



Today's Assumptions

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- Target Weaponeering Complete
- Pre-Mission Configuration Set
- Basic Routing Complete
- Ready to Add JDAM Targets

Target Area

Route Editor - Mission Route

File Route User Lib Error Help

◆ Auto Calculate ◆ Manual Calculate

 Drag  Add Pt  Connect

Rng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

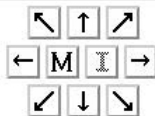
Display


Options Help


Main: ☐ Imagery ☐

Inset: ☐ OFF ☐

Loc: ☐ OFF ☐



Brightness 

Contrast 

Current Datum: WGS84
Elevation (ft): 5457
Lat: N37-48.018
Lon: W116-46.278




Route Editor - Add Pt

Clock
 MPS_JDAM_PLANNING
 Flight: SPUR
 AC: B52H-1
 (/SPUR1)
 Local: 14:11 17 JAN 2000
 GMT: 20:11

Route Editor - Mission Route

File Route User Lib Error Help

☒ Auto Calculate
 ☐ Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg: 015.7 (nm) at 0279 (deg)

Distance: 220 Time: 00:30:37 Fuel: 199254

Add Point


Fix/Name: Elev (ft):

Description:

DTD ID: Edit Point Accuracy...

Lat: Long:

Current Datum: WGS84

☒ Lat/Lon
 ☐ UTM
 ☐ MGRS
 ☐ GEOREF
 

☐ Connect To Point

OK Apply Cancel Help

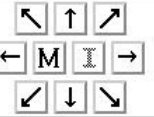
Display

Options Help

Main: Imagery

Inset: OFF

Loc: OFF



Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84
 Elevation (ft): 5466
 Lat: N37-47.952
 Lon: W116-46.588

Add Point Dialog Box

Add Point


Fix/Name: Elev (ft):

Description:

DTD ID:

Lat: Long:

Current Datum: WGS84

☐ Lat/Lon ☐ UTM ☐ MGRS ☐ GEOREF 

☐ Connect To Point

Clock

MPS_JDAM_PLANNING
Flight: SPUR
AC: B52H-1
(/SPUR1)
Local: 14:12 17 JAN 2000
GMT: 20:12

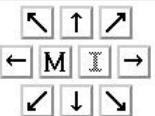
Display


Options Help

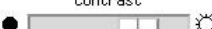
Main:

Inset:

Loc:



Brightness 

Contrast 

Current Datum: WGS84
Elevation (ft): 5516
Lat: N37-47.625
Lon: W116-46.988

Add Target Attribute

Route Editor - Mission Route

File Route User Lib Error Help

Auto Calculate Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

Point

Add Attribute

- FLCP
- SwingCheck
- IP
- JDAM
- Target
- WCMD Target
- Attack

Display

Options Help

Main: Imagery

Inset: OFF

Loc: OFF

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (ft): 5463

Lat: N37-48.008

Lon: W116-46.767

Target Point Naming

Target Point

Name:

ID:

Route Editor - Mission Route

File Route User Lib Error Help

☐ Auto Calculate ☐ Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

Display

Options Help

Main:

Inset:

Loc:

Brightness

Contrast

Current Datum: WGS84
Elevation (ft): 5542
Lat: N37-47.925
Lon: W116-47.460

Adding JDAM Attribute

Route Editor - Mission Route

File Route User Lib Error Help

◇ Auto Calculate ◇ Manual Calculate

⬅ ➡ ➤

Drag Add Pt Connect

Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

- Point
- Target
- Add Attribute
- FLCP
 - SwingCheck
 - IP
 - JDAM
 - WCMD Target
 - Attack

Display

Options Help

Main: Imagery

Inset: OFF

Loc: OFF

⬅ ⬆ ⬇ ⬅ M I ➡

⬇ ⬆ ⬇

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (ft): 5463

Lat: N37-48.000

Lon: W116-46.763

JDAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMP ID	DMP Name	Color

New... Edit... Delete Color...

Select PGMTDB Symbol

LAR Generation:

☐ Use Waypoint Release Conditions

TP: ☐ Select Waypoint from Route

Altitude (ft MSL):

Wind (deg/kts):

True Course (deg): Inbound ☐

Airspeed (kts):

Flight Path Angle (deg):

Roll (deg):

Day Type:

LAR Type:

Generate LARs Remove LARs

OK Apply Cancel Help

JDAM Target Manager

Route Editor - Mission Route

File Route User Lib Error Help

Auto Calculate Manual Calculate

Drag Add Pt Connect

Eng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

Display

Options Help

Main: Imagery

Inset: OFF

Loc: OFF

Navigation buttons: Back, Forward, Home, Stop, etc.

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (ft): 5502

Lat: N37-48.780

Lon: W116-48.527

JDAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMPID	DMPID Name	Color

New... Edit... Delete Color...

Select PGMTDB Symbol

LAR Generation:

☐ Use Waypoint Release Conditions

TP: ☐ Select Waypoint from Route

Altitude (ft MSL): 20000

Wind (deg/kts): 000000

True Course (deg): 0 Inbound ☐

Airspeed (kts): 400 TAS

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

LAR Type: JDAM A/W/E ☐

Generate LARs Remove LARs

OK Apply Cancel Help

Route Editor - Mission Route

File Route User Lib Error Help

☐ Auto Calculate ☐ Manual Calculate

Drag Add Pt Connect

One Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

Display

Options

Main: 1:500K TPC

Inset: OFF

Loc: OFF

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: NGS84

Elevation (ft): 5942

Lat: N37-49.768

Lon: W116-31.992

- ETP
- Turn
- Waypoint
- C/D Into Point
- C/D Out Of Point
- Cruise
- Add Attribute
- Approach
- B52H Release
- CritWindFactor
- Event
- FLCP
- SwingCheck
- IP
- JDAM
- Orbit
- Release
- Slowdown
- Target
- WCMD Release
- WCMD Target
- Attack

JDAM Release Manager

JDAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMPID	DMPID Name	Color

New... Edit... Delete Color...

Select GMTDB Symbol

LAR Generation:

☐ Use Waypoint Release Conditions

TP: ☐ Select Waypoint from Route

Altitude (ft MSL):

Wind (deg/kts):

True Course (deg): Inbound ☐

Airspeed (kts):

Flight Path Angle (deg):

Roll (deg):

Day Type: ☐

LAR Type: ☐

Generate LARs Remove LARs

OK Apply Cancel Help

JDAM DMPI

ID: Name:

Description:

Position: ☒ Coordinate ☐ Offset from Reference Point

Lat/Lon Format: Datum: WGS-84

Lat: Lon:

Impact Elevation: ft MSL ☐

Horizontal Acc: ft ☐ Confidence (%): ☐

Vertical Acc: ☐

Orientation: ☐

Weapon Characteristics/Fuzing:

☐ Impact Angle (deg):

☐ Impact Azimuth (deg True):

☐ Min Impact Velocity (fps):

Weapon Type: ☐

Quantity:

Fuze Type: ☐

Fuze Location: ☐

Arm Time (sec):

Function Time:

Proximity Sensor: ☐

Release Mode:

☒ Weapons released from aircraft-computed locations

☒ Weapons released from navpoint location

Analyze...

OK Apply Cancel Help

Display

Options

Main:

Inset:

Loc:

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (ft): 5525

Lat: N37-47.080

Lon: W116-46.238

DMPI's Added

JDAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMPI ID	DMPI Name	Color
1	HANGAR	Orange
2	HANGAR	Yellow
3	HANGAR	Green
4	HANGAR	Blue

LAR Generation:

☐ Use Waypoint Release Conditions

TP: ☐ Select Waypoint from Route

Altitude (ft MSL):

Wind (deg/kts):

True Course (deg): ☐ Inbound

Airspeed (kts):

Flight Path Angle (deg):

Roll (deg):

Day Type:

LAR Type:

Route Editor - Mission Route

File Route User Lib Error Help

☐ Auto Calculate ☐ Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

JDAM Release Manager

Waypoint Number: 5

Available DMPIs:

AIRFIELD	Attack	Role
1 HANGAR	<input type="button" value="➡"/>	
2 HANGAR	<input type="button" value="➡"/>	
3 HANGAR	<input type="button" value="➡"/>	
4 HANGAR	<input type="button" value="➡"/>	

☐ Use Waypoint Release Conditions

Lat: N37-49.850 Lon: W116-31.992 Datum: WGS_84

Waypoint Time (Zulu): 17 JAN 00 06:30:37

Altitude (ft):

Wind (deg/kts):

True Course (deg): ☐ Inbound

Airspeed (kts):

Flight Path Angle (deg):

Roll (deg):

Day Type:

Release Mode:

☐ Weapons released from aircraft-computed locations

☐ Weapons released from navpoint location

Display

Options

Main:

Inset:

Loc:

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (ft): 5562

Lat: N37-47.080

Lon: W116-46.960

JDAM Target Manager

Waypoint Number: 5

Available DMPs:

AIRFIELD	Attack	Remove
1 HANGAR	<input type="checkbox"/>	<input type="checkbox"/>
2 HANGAR	<input type="checkbox"/>	<input type="checkbox"/>
3 HANGAR	<input type="checkbox"/>	<input type="checkbox"/>
4 HANGAR	<input type="checkbox"/>	<input type="checkbox"/>

Edit DMP Role...

Use Waypoint Release Conditions

Lat: N37-49.850 Lon: W116-31.992

Waypoint Time (Zulu): 17 JAN 00 06:30:37

Altitude (ft): 35000 MSL

Wind (deg/kts): 000000

True Course (deg): 268 Inbound ☐

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

Release Mode:

- ☒ Weapons released from aircraft-computed
- ☐ Weapons released from navpoint location

Analyze...

OK Apply Cancel

JDAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMP ID	DMP Name	Color
1	HANGAR	Orange
2	HANGAR	Yellow
3	HANGAR	Green
4	HANGAR	Blue

New... Edit... Delete Color...

Select PGMTDB Symbol

LAR Generation:

- ☒ Use Waypoint Release Conditions
- ☐ Select Waypoint from Route

TP: 5

Altitude (ft MSL): 20000

Wind (deg/kts): 000000

True Course (deg): 0 Inbound ☐

Airspeed (kts): 400 TAS

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

LAR Type: JDAM A/W/E ☐

Generate LARs Remove LARs

OK Apply Cancel Help

Route Editor - Mission Route

File Route User Lib Error Help

☒ Auto Calculate ☐ Manual Calculate

Drag Add Pt Connect

Eng/Mag Brg:

Distance: 220 Time: 00:30:37 Fuel: 199254

Brightness

Contrast

.5x 1x 2x 4x 8x

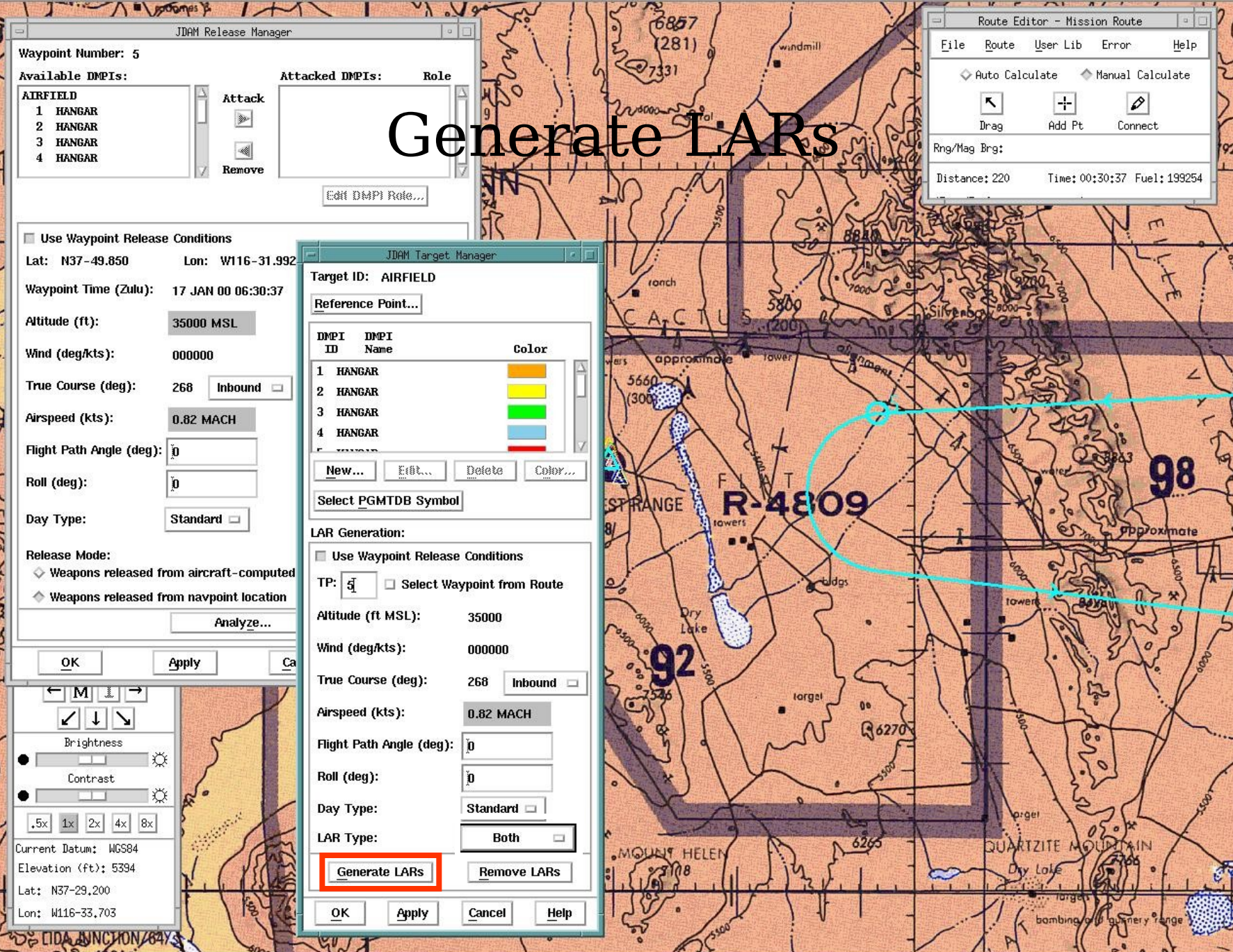
Current Datum: WGS84

Elevation (ft): 5594

Lat: N37-36.975

Lon: W116-34.400

Generate LARs



Release Point not within LAR

The screenshot displays a mission planning interface with a map background showing terrain, roads, and landmarks like 'CACTUS', 'FLY T', '98', '92', 'MOUNT HELEN', and 'QUARTZITE MOUNTAIN'. A flight path is plotted in cyan, with a red dashed circle indicating a release point. The interface includes several windows:

- JJAM Release Manager:**
 - Waypoint Number: 5
 - Available DMPs: AIRFIELD (1 HANGAR, 2 HANGAR, 3 HANGAR, 4 HANGAR)
 - Attacked DMPs: (Empty)
 - Role: (Empty)
 - Buttons: Attack, Remove, Edit DMP Role...
- JJAM Target Manager:**
 - Target ID: AIRFIELD
 - Reference Point... (Button)
 - Table:

DMP ID	DMP Name	Color
1	HANGAR	Orange
2	HANGAR	Yellow
3	HANGAR	Green
4	HANGAR	Blue
 - Buttons: New..., Edit..., Delete, Color...
 - Select PGMTDB Symbol (Button)
- Release Conditions Window:**
 - Use Waypoint Release Conditions: ☐
 - Lat: N37-49.850, Lon: W116-31.992, Datum: WGS 84
 - Waypoint Time (Zulu): 17 JAN 00 06
 - Altitude (ft): 35000 MSL
 - Wind (deg/kts): 000000
 - True Course (deg): 268, Inbound ☐
 - Airspeed (kts): 0.82 MACH
 - Flight Path Angle (deg): 0
 - Roll (deg): 0
 - Day Type: Standard ☐
 - Release Mode:
 - Weapons released from aircraft: ☐
 - Weapons released from navpoint: ☐
 - Buttons: OK, Apply, Analyze
- Map Navigation Window:**
 - Buttons: M, I, R, L, B, C, S, X
 - Brightness and Contrast sliders
 - Current Datum: WGS84
 - Elevation (ft): 5906
 - Lat: N37-43.210
 - Lon: W116-47.357
- Route Editor - Mission Route:**
 - Buttons: File, Route, User Lib, Error, Help
 - Auto Calculate, Manual Calculate
 - Buttons: Add Pt, Connect
 - Distance: 220, Time: 00:30:37, Fuel: 199254
- JJAM LAR Generation Window:**
 - Use Waypoint Release Conditions: ☐
 - TP: 5, Select Waypoint from Route: ☐
 - Altitude (ft MSL): 35000
 - Wind (deg/kts): 000000
 - True Course (deg): 268, Inbound ☐
 - Airspeed (kts): 0.82 MACH
 - Flight Path Angle (deg): 0
 - Roll (deg): 0
 - Day Type: Standard ☐
 - LAR Type: Both ☐
 - Buttons: Generate LARs, Remove LARs
 - Buttons: OK, Apply, Cancel, Help

Release Point within LARs

The interface displays a topographic map with various geographical features and a mission route. A cyan line indicates the flight path, with a release point marked by a blue circle and a yellow/orange LAR (Launch Area Region) around it. The map includes labels for 'CACTUS', 'MOUNT HELEN', 'QUARTZITE MOUNTAIN', and 'DRIY LAKE'. Grid coordinates 98 and 92 are visible.

JJAM Release Manager

Waypoint Number: 5

Available DMPs:

Attack	Role
1 HANGAR	
2 HANGAR	
3 HANGAR	
4 HANGAR	

Remove Edit DMP Role...

☐ Use Waypoint Release Conditions

Lat: N37-48.715 Lon: W116-36.113 Datum: WGS 84

Waypoint Time (Zulu): 17 JAN 00 06

Altitude (ft): 35000 MSL

Wind (deg/kts): 000000

True Course (deg): 268 Inbound

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard

Release Mode:

- ☒ Weapons released from aircraft - co
- ☒ Weapons released from navpoint lo

Analyze

OK Apply

JJAM Target Manager

Target ID: AIRFIELD

Reference Point...

DMP ID	DMP Name	Color
1	HANGAR	Orange
2	HANGAR	Yellow
3	HANGAR	Green
4	HANGAR	Blue

New... Edit... Delete Color...

Select PGMTDB Symbol

LAR Generation:

☐ Use Waypoint Release Conditions

TP: 5 ☐ Select Waypoint from Route

Altitude (ft MSL): 35000

Wind (deg/kts): 000000

True Course (deg): 268 Inbound

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard

LAR Type: Both

Generate LARs Remove LARs

OK Apply Cancel Help

Route Editor - Mission Route

File Route User Lib Error Help

☒ Auto Calculate ☒ Manual Calculate

Distance: 327 Time: 00:44:08 Fuel: 194454

Brightness Contrast

Current Datum: WGS84
Elevation (ft): 5522
Lat: N37-34.262
Lon: W116-38.308

JDAM Release Manager

Waypoint Number: 5

Available DMPs:

ATTFIELD
1 HANGAR
2 HANGAR
3 HANGAR
4 HANGAR

Attack ☒ Remove

Attacked DMPs: Role

Edit DMP Role...

☐ Use Waypoint Release Conditions

Lat: N37-48.715 Lon: W116-36.113 Datum: WGS_84

Waypoint Time (Zulu): 17 JAN 00 06:30:37

Altitude (ft): 35000 MSL

Wind (deg/kts): 000000

True Course (deg): 268 Inbound ☐

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

Release Mode:

- ☒ Weapons released from aircraft-computed locations
- ☒ Weapons released from navpoint location

Analyze...

OK Apply Cancel Help

Color...

Route

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84
Elevation (ft): 5509
Lat: N37-33.573
Lon: W116-48.427

True Course (deg): 268 Inbound ☐

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

LAR Type: Both ☐

Generate LARs Remove LARs

OK Apply Cancel Help

Route Editor - Mission Route

File Route User Lib Error Help

☒ Auto Calculate ☒ Manual Calculate

Drag Add Pt Connect

Time Mag Brg:

Distance: 327 Time: 00:44:08 Fuel: 194454

JDAM Release Manager

JDAM Release Manager

Waypoint Number: 5

Available DMPs:

Attacked DMPs: Role

	AIRFIELD	
1	HANGAR	P
2	HANGAR	P
3	HANGAR	P
4	HANGAR	P

Attack

Remove

Edit DMP Role...

☐ Use Waypoint Release Conditions

Lat: N37-48.715 Lon: W116-36.113 Datum: WGS_84

Waypoint Time (Zulu): 17 JAN 00 06:30:37

Altitude (ft): 35000 MSL

Wind (deg/kts): 000000

True Course (deg): 268 Inbound ☐

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

Release Mode:

- ☒ Weapons released from aircraft-computed locations
- ☐ Weapons released from navpoint location

Analyze...

OK Apply Cancel Help

Navigation buttons: Left arrow, M, Right arrow, Up arrow, Down arrow, Diagonal down-left arrow.

Brightness: A slider with a sun icon on the right.

Contrast: A slider with a sun icon on the right.

Zoom menu: .5x, 1x (selected), 2x, 4x, 8x.

Current Datum: MGS84
 Elevation (ft): 5181
 Lat: N37-38.230
 Lon: W117-09.735

True Course (deg): 268 Inbound ☐

Airspeed (kts): 0.82 MACH

Flight Path Angle (deg): 0

Roll (deg): 0

Day Type: Standard ☐

LAR Type: Both ☐

Generate LARs Remove LARs

OK Apply Cancel Help

Route Editor - Mission Route

File Route User Lib Error Help

Auto Calculate Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg:

Distance: 327 Time: 00:44:08 Fuel: 194454



JDAM Analysis Results

Tgt ID/ DMPI ID	Weapon Type/ Rel. Latitude/ Rel. Longitude	In-Range Status	GPS-Aided/ Unaided CEP (m)	Time of Fall (sec)	Actual/ Commanded Angle (deg)	Actual/ Commanded Azimuth (deg)	Actual/ Commanded Velocity (f/s)	Prob. of Clobber (%)
AIRFIELD	GBU-31(V)1/B MK-84	IN	13.4	65.9	63.9	268.9	1094.1	unk
1 HANGAR	N37-48.715 W116-36.113		18.0		N/A	N/A	N/A	
AIRFIELD	GBU-31(V)1/B MK-84	IN	13.4	65.8	64.0	268.5	1095.1	unk
2 HANGAR	N37-48.715 W116-36.113		18.0		N/A	N/A	N/A	
AIRFIELD	GBU-31(V)1/B MK-84	IN	12.8	65.3	64.1	267.2	1104.4	unk
3 HANGAR	N37-48.715 W116-36.113		17.8		N/A	N/A	N/A	
AIRFIELD	GBU-31(V)1/B MK-84	IN	12.8	65.1	64.1	266.7	1106.8	unk
4 HANGAR	N37-48.715		17.8		N/A	N/A	N/A	

Close

Print

More...

Help

Airspeed (kts):

0.82 MACH

Flight Path Angle (deg):

0

Roll (deg):

0

Day Type:

Standard ☐

Release Mode:

☒ Weapons released from aircraft-computed locations☒ Weapons released from navpoint location

Analyze...

OK

Apply

Cancel

Help

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: NGS84

Elevation (ft): 5414

Lat: N37-33.290

Lon: W116-48.802

True Course (deg):

268

Inbound ☐

Airspeed (kts):

0.82 MACH

Flight Path Angle (deg):

0

Roll (deg):

0

Day Type:

Standard ☐

LAR Type:

Both ☐

Generate LARs

Remove LARs

OK

Apply

Cancel

Help

Route Editor - Mission Route

File Route User Lib Error Help

☒ Auto Calculate☒ Manual Calculate

Drag



Add Pt



Connect

Rng/Mag Brg:

Distance: 327

Time: 00:44:08 Fuel: 194454

Weapon Trajectories

Route Editor - Mission Route

File Route User Lib Error Help

Auto Calculate Manual Calculate

Drag Add Pt Connect

Rng/Mag Brg:

Distance: 326 Time: 00:44:52 Fuel: 194230

Display

Options Help

Main: Imagery

Inset: OFF

Loc: OFF

Navigation controls: Up, Down, Left, Right, Home, End, Search, etc.

Brightness

Contrast

.5x 1x 2x 4x 8x

Current Datum: WGS84

Elevation (Ft): 5545

Lat: N37-46.993

Lon: W116-45.457



DATAK LP

Route Editor - Mission Route

File	Route	User Lib	Error	Help
<input type="checkbox"/> Auto Calculate <input type="checkbox"/> Manual Calculate				
<input type="button" value="↶"/> <input type="button" value="+"/> <input type="button" value="↷"/>				
Drag Add Pt Connect				
Rng/Mag Brg:				
Distance: 326		Time: 00:44:52		Fuel: 194230

Display

Options	Help
Main: 1:500K TPC	
Inset: OFF	
Loc: OFF	
<input type="button" value="↶"/> <input type="button" value="↑"/> <input type="button" value="↗"/>	
<input type="button" value="←"/> <input type="button" value="M"/> <input type="button" value="I"/> <input type="button" value="→"/>	
<input type="button" value="↙"/> <input type="button" value="↓"/> <input type="button" value="↘"/>	
Brightness <input type="range"/>	
Contrast <input type="range"/>	
.5x 1x 2x 4x 8x	
Current Datum: WGS84 Elevation (Ft): 6720 Lat: N37-39.868 Lon: W116-45.500	



LAR Printout for Crews

Route Editor - Mission Route

File Route User Lib Error Help

☐ Auto Calculate ☐ Manual Calculate

Drag Add Pt Connect

Prog/Brg:

Distance: 326 Time: 00:44:52 Fuel: 194230

Display

Options Help

Main: 1:500K TPC

Inset: OFF

Loc: OFF

Brightness

Contrast

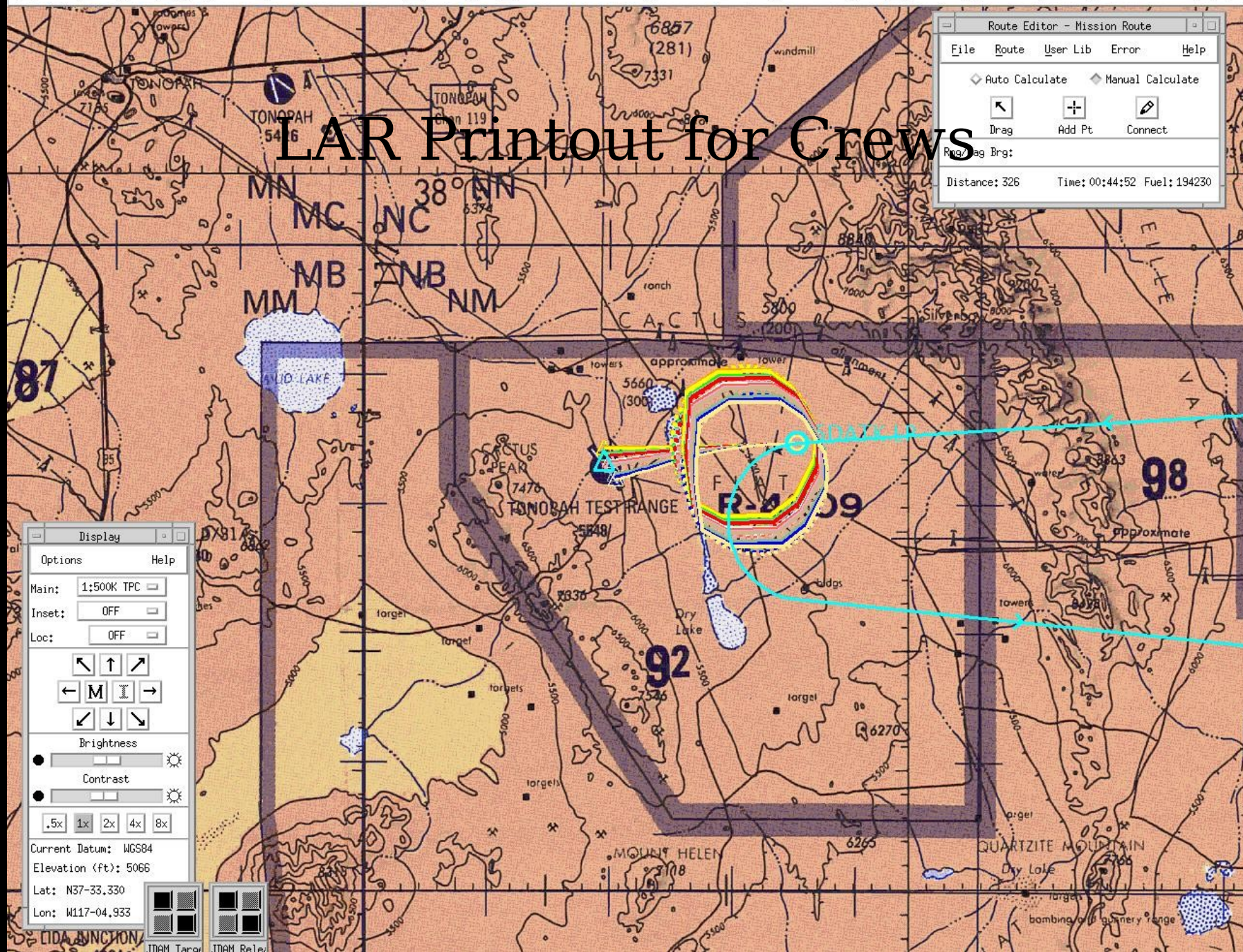
.5x 1x 2x 4x 8x

Current Datum: WGS84
Elevation (ft): 5066

Lat: N37-33.330
Lon: W117-04.933

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐





Review

2K



ESC/ACU



46 TS



HQ ACC



HQ AMC



HQ AFSOC

US Navy



- MPS has come a long way!
- 1760 Weapons Require it
- Demonstrated JDAM Mission Planning



Questions

2K



ESC/ACU



46 TS



HQ ACC



HQ AMC



HQ AFSOC

US Navy



- Major Shawn “Wisk” Fleming
- USAF Weapons School, B-52 Division
- DSN 781-3629
- shawn.fleming@barksdale.af.mil

B-52



U.S. AIR FORCE WEAPONS SCHOOL

